APPENDIX VI

ARCH BRICK WORK

FORMULAS AND TABLES FOR FANTAIL OR TAPER ARCHES

BY A. D. WILLIAMS

TABLES giving the number of shape and straight brick required to make a complete circle are found in many of the firebrick and facebrick catalogues. These are very convenient, as far as they extend, in regard to the standard shapes, but are of comparatively little assistance in working out the shapes required for " fan-tail " or taper arches, which may be built either of standard or special shapes as desired, or for conical or skew arches. The accompanying tables were computed to facilitate the working out of arch shapes, and it is believed that the accompanying diagram supplies sufficient information to facilitate their use. They have been carefully computed and checked, but the writer will be grateful to anyone who will call his attention to any errors which may have been made in the tables.

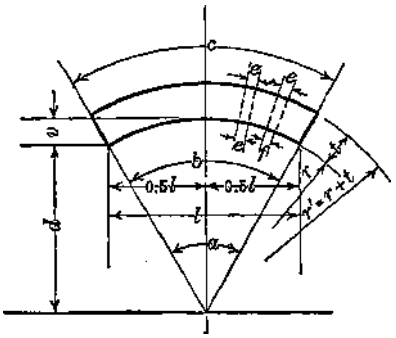

FIG. 137.

In the diagram the letters and following formulas correspond :